

37 087 14

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

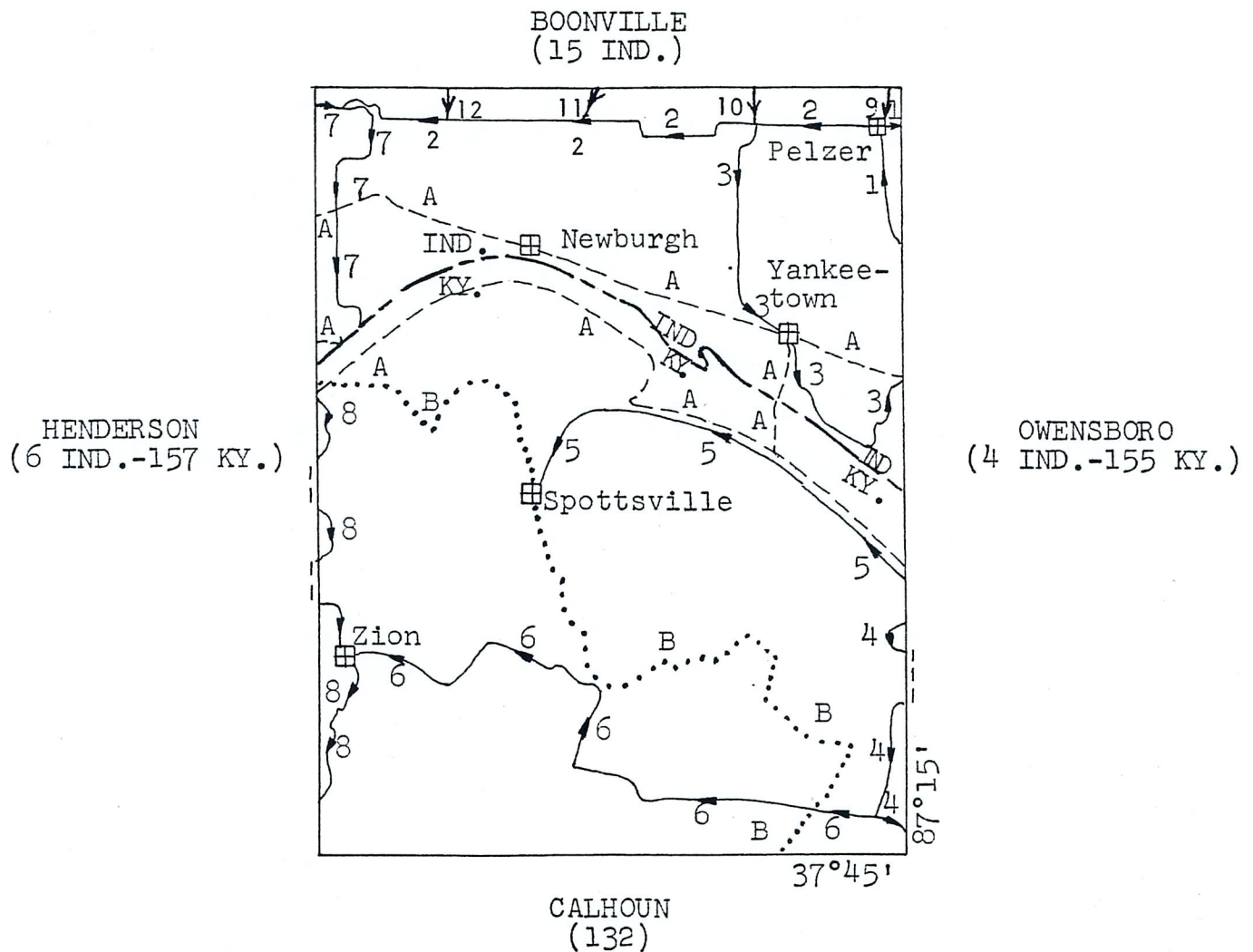
NEWBURGH QUADRANGLE
156 KY.-5 IND.
N3745-W8715/15
DIAGRAM NJ 16-8
EVANSVILLE

**Daviess and Henderson Counties, Ky.; Spencer,
Vanderburgh, and Warrick Counties, Ind.**

Final adjustment of 1971

Edition of 4/24/79

PR: DSW/jyk



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370871

B. USCE Level Line, Green River

NOTE OF EXPLANATION

Duplication of stamping in index is apparently due to fieldman repeating stampings in Indiana already made in Kentucky.

NEWBURGH QUADRANGLE
WITH OVEREDGE

37 087 14
N3745-W8715/15
EVANSVILLE

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
400 LOUISVILLE	3	46 JDN 1950 374	6
515 LOUISVILLE	3	47 JDN 1950 381	6
379 ADJ 1903	3	48 JDN 1950 402	7
385 ADJ 1903	3	49 JDN 1950 409	8
385 ADJ 1903	3	50 JDN 1950 423	8
401 ADJ 1903	3	51 JDN 1950 389	8
404 ADJ 1903	3	52 JDN 1950 416	8
426 ADJ 1903	3	53 JDN 1950 430	8
455 ADJ 1903	3	54 JDN 1950 388	8
2 JEM 1950 383	9	3 JEM 1950 392	9
TT 386 RESET 1949	5,9	4 JEM 1950 377	9
13 JDN 1950 437	4	7 JEM 1950 TT 450	10
14 JDN 1950 416	4,4,11	8 JEM 1950 424	9,10
23 JDN 1950 385	6	10 JEM 1950 475	10
24 JDN 1950 396	6,7		
35 JDN 1950 380	7		
36 JDN 1950 371	7	<u>USC&GS</u>	
37 JDN 1950 372	7		
38 JDN 1950 402	4	HENSLEY 1950	7
39 JDN 1950 382	4,5,11	NO 202 RESET 1949	9
40 JDN 1950 410	4		
41 JDN 1950 406	5,11	<u>USCE</u>	
42 JDN 1950 384	5		
43 JDN 1950 391	5	BM 10	7
44 JDN 1950 404	6	USCE NO 12	10
45 JDN 1950 368	6	BM 1	10

ISOLATED BENCH MARKS ESTABLISHED PRIOR TO
1902 (By D. D. Doty, 1901; Book 9557)

Newburgh, left side of main entrance to Citizens Bank; 2 ft above ground; in center of marble base stone; standard tablet stamped "400 LOUISVILLE" (Tied by USC&GS, 1965)	399.402
Yankeetown, 0.4 mi from Yankeetown Corner; on E. side of Main Street, on NW. face of residence of Wesley Johnson; in brick foundation of bay window; standard tablet stamped "515 LOUISVILLE" (Tied by USC&GS, 1965)	511.393
Worthington, 300 ft W. of station; S. of track; in NW. corner of sandstone foundation of water tank; standard tablet stamped "385 ADJ 1903"	383.403
Reed; 60 ft S. of station; in NE. corner of Charles William's store; standard tablet stamped "379 ADJ 1903" (Reported destroyed, 1951)	377.861
Spottsville, 600 ft E. of; at W. edge of railroad bridge over Green River; in NE. corner of W. concrete pier; standard tablet stamped "385 ADJ 1903"	380.916
Baskett; 200 ft E. of station; N. of track; at SE. corner of tank room of Pittsburgh Coal Company; in foundation; standard tablet stamped "401 ADJ 1903" (Reported destroyed, 1952)	400.000
Zion, in W. side of Zion Baptist Church; in NW. pillar; standard tablet stamped "455 ADJ 1903" (Reported not found, 1950)	454.423
Hebbardsville; at NW. corner of crossroads; on E. side of C. W. Johnson's store; in SE. brick pillar; standard tablet stamped "426 ADJ 1903" (Reported destroyed, 1950)	424.532
Hamilton's Ferry over Green River; 0.3 mi E. of; at house owned by Ed Hamilton and occupied by James Estler, in N. side of brick chimney; standard tablet stamped "404 ADJ 1903" (Reported destroyed, 1952)	402.860

NEWBURGH
Book AV 210 a

KY.-IND.

J. D. Nikolaus

1950

LINE 1.Feet

J. D. Nikolaus, 1950; Book AV 210 a

Red Bush, 2.0 mi NE. of school; 0.8 mi N. of bridge over Hooppole Creek; 30 ft S. and 20 ft E. of crossroads; 11 ft W. of 6-in. cedar tree, 5 ft SE. of edge of bank, at E. edge of honeysuckle patch, in concrete post; standard tablet stamped "13 JDN 1950 437"

436.915

Pelzer, 25 ft N. and 32 ft W. of crossroads, 8 ft NW. of power pole, 95 ft SE. of SE. corner of school, in concrete post; standard tablet stamped "14 JDN 1950 416"

415.602

LINE 2.

J. D. Nikolaus, 1950; Book AV 210 a

"14 JDN 1950 416" (Described in line 1)

415.602

Pelzer, 1.4 mi W. of; 27 ft N. and 36 ft E. of crossroads; 16 ft E. of concrete culvert; 12 ft NE. of signpost; 4 ft SW. of W. signpost of Silver Star Farms, in concrete post; standard tablet stamped "38 JDN 1950 402" (Reported not found, 1964)

401.891

Reference mark, 17 ft W. of tablet; at SE. corner of concrete culvert headwall; chiseled square

402.86

Pelzer, 3.0 mi W. of, along black-top rd., 24 ft N. and 39 ft W. of crossroads; 5 ft NW. of small power pole; 3 ft SW. of large power pole; in concrete post; standard tablet stamped "39 JDN 1950 382" (Reported not found, 1964)

382.742

Reference mark; 44 ft SE. of tablet; on S. end of concrete pipe culvert; chiseled square

382.56

Pelzer, 5.8 mi W. of; 20 ft W. of junction of T-rd. E.; at edge of 3 ft bank; in concrete post; standard tablet stamped "40 JDN 1950 410"

410.369

Reference mark; 24 ft SE. of T-rd. junction; on SW. corner of S. headwall of concrete culvert; chiseled square

408.25

LINE 2 (Cont'd.)

1950

Feet

U.E., Pelzer, 6.7 mi W. of, on SE. corner of S. headwall of concrete culvert; chiseled square	429.33
Smythe, 3.4 mi E. of, along graveled rd.; 16 ft N. and 30 ft E. of crossroads; 120 ft SW. of SW. corner of Oak Grove Methodist Church; 6 ft E. of power pole, in concrete post; standard tablet stamped "41 JDN 1950 406" (Reported destroyed, 1973)	406.886
U.E., Smythe, 1.4 mi E. of, 24 ft N. of center of rd., in SW. base of 36-in. oak tree; copper nail and washer	386.88
Smythe, 0.1 mi E. of, along graveled rd.; 24 ft N. and 32 ft E. of crossroads; 14 ft N. of NE. end of retaining wall of concrete bridge; 18 ft W. of power-bracer pole, in concrete post; standard tablet stamped "42 JDN 1950 384"	384.350
Reference mark; 15 ft NE. of tablet; at center of NE. retaining wall of concrete bridge; chiseled square	384.18
Evansville, 1.5 mi NE. of Chicago and Eastern Illinois Railroad station, along U. S. Highway 41, thence 2.8 mi E. along State Highway 62; in Smythe; 66 ft N. and 68 ft E. of intersection of State Highway 62 and New Green River Road; standard tablet stamped "TT 386 RESET 1949"	385.984

LINE 3.

J. D. Nikolaus, 1950; Book AV 210 a

"39 JDN 1950 382" (Described in line 2)	382.742
Dayville, 0.5 mi N. of, along black-top rd., 9 ft S. and 18 ft W. of T-rd. E.; 17 ft NW. of NW. corner of concrete bridge; in concrete post; standard tablet stamped "43 JDN 1950 391" (Reported destroyed, 1959)	391.001
Reference mark; 30 ft SE. of tablet; at NE. corner of E. headwall of small concrete bridge; chiseled square	394.14

NEWBURGH
Book AV 210 a

KY.-IND.

J. D. Nikolaus

LINE 3 (Cont'd.)1950
Feet

U.E., Dayville, 1.9 mi S. of; 28 ft NW. of junction
of State Highway 66 and T-rd.; on N. end of concrete
culvert; chiseled square 391.39

Dayville, 2.5 mi SE. of, along graveled rd.; 9 ft S.
and 19 ft W. of crossroads; 5 ft N. of edge of bank,
in concrete post; standard tablet stamped
"44 JDN 1950 404" (Reported destroyed, 1964) 404.170

Yankeetown, 1.0 mi S. of, along graveled rd.; 99 ft
NW. of Y-rd. junction; 25 ft W. of center of rd.;
at NE. corner of cultivated field; in concrete
post; standard tablet stamped "45 JDN 1950 368"
(Reported destroyed, 1964) 368.499

U.E., Yankeetown, 3.6 mi SE. of; in root on SW. side
of large ash tree; about 280 ft SE. of barn;
copper nail and washer 376.53

Yankeetown, 4.0 mi SE. of; at river bank; 22 ft S.
of center of rd.; 84 ft N. of edge of river bank,
at NE. corner of small cultivated field, in concrete
post; standard tablet stamped "46 JDN 1950 374" 374.486

Yankeetown, 2.6 mi E. of, along State Highway 66;
17 ft S. and 35 ft E. of crossroads; 27 ft W.
of power pole; 6 ft E. of white guard post; in
concrete post; standard tablet stamped
"47 JDN 1950 381" (Reported destroyed, 1964) 381.302

LINE 4.

J. D. Nikolaus, 1950; Book AV 210 a

Stanley, 2.8 mi S. of, along black-top and graveled
rds.; 20 ft N. and 23 ft W. of junction of
T-driveway W.; 36 ft N. of NE. fence corner; at
SE. corner of field; in concrete post; standard
tablet stamped "23 JDN 1950 385" DESTROYED 1982 385.193

Reference mark; 30 ft S. of tablet; at W. end of
concrete pipe culvert; chiseled square 382.83

Sorgho, 0.9 mi W. of, along State Highway 54; 17 ft
S. and 22 ft E. of junction of T-rd. S.; 22 ft
E. of junction of T-rd. N.; 11 ft E. of fencepost;
2 ft S. of edge of ditch, in concrete post; standard
tablet stamped "24 JDN 1950 396" (Reported destroyed, 1971) 396.295

1950

LINE 5.Feet

J. D. Nikolaus, 1950; Book AV 210 a

Newman, 1.9 mi N. of; 50 ft NE. of T-rd. junction;
in concrete post; USC&GS standard triangulation
station disk stamped "HENSLEY 1950" (Tied by
USC&GS, 1962) 387.309

Carlinburg, 24 ft N. of S. tip of grass triangle
formed by Y-rd. forks; 19 ft W. of centerline
of rd.; in concrete post; standard tablet stamped
"35 JDN 1950 380" 379.579

Reference mark, 18 ft W. of NE. tip of grass triangle,
in S. base of twin-trunked catalpha tree; rail
spike 382.34

U.E., Carlinburg, 1.9 mi W. of; about 110 ft SW.
of junction of T-rd. S.; on SE. corner of concrete
culvert headwall; chiseled square 375.51

Spottsville, 4.1 mi NE. of, along graveled rd.;
38 ft N. of junction of Y-rd. forks; 31 ft E.
of corner fencepost; 24 ft NE. of culvert; 6 ft
N. of edge of ditch, in concrete post; standard
tablet stamped "36 JDN 1950 371" (Reported des-
troyed, 1964) (Tied by USC&GS, 1962) 371.105

Spottsville, 2.0 mi NE. of; about 500 ft E. of
school; 23 ft S. and 24 ft W. of junction of
T-rd. W.; 10 ft SW. of fence corner, 3 ft E.
of fenceline, in concrete post; standard tablet
stamped "37 JDN 1950 372" (Reported not found, 1964) 371.456

Spottsville, on left bank of Green River; 175 ft
N. of land wall of lock; in SE. corner of
lockmaster's yard; 50 ft E. of center of brick
wall from house to lock, in concrete post; on
iron pipe; USCE standard cap stamped "BM 10" 373.99

LINE 6.

J. D. Nikolaus, 1950; Book AV 210 a

"24 JDN 396 1950" (Described in line 4) 396.295

Hebbardsville, 4.0 mi E. of, along State Highway 54;
1.2 mi W. of Green River ferry; 21 ft S. and 12 ft
E. of junction of private driveway N.; 5 ft N. of
fenceline; 3 ft S. of edge of bank, in concrete
post; standard tablet stamped "48 JDN 1950 402" 402.018

NEWBURGH
Book AV 210 a

KY.-IND.

J. D. Nikolaus

LINE 6 (Cont'd.)

1950
Feet

Hebbardsville, 2.6 mi E. of, along State Highway 54; about 200 ft NE. of Y-rd. junction; 23 ft NW. of center of Highway 54; 11 ft SE. of fence corner; 3 ft S. of fenceline, in concrete post; standard tablet stamped "49 JDN 1950 409"	408.688
Hebbardsville, 14 ft S. and 42 ft W. of junction of State Highway 54 and T-rd. S.; 12 ft E. of old pump; 7 ft NW. of 6- by 6-in. piling; 48 ft SW. of Gulf service station and grocery store; in concrete post; standard tablet stamped "50 JDN 1950 423"	423.457
U.E., Hebbardsville, 1.2 mi W. of; 21 ft N. of junction of State Highway 54 and T-rd. NE.; on N. end of concrete pipe culvert; chiseled square	400.10
Bluff City, 0.4 mi S. of, along black-top rd.; 37 ft NE. of junction of T-rd. E.; 18 ft E. of 14-in. sycamore tree; 10 ft S. of edge of bank; in concrete post; standard tablet stamped "51 JDN 1950 389"	389.260
Reference mark; on SW. corner of W. headwall of concrete culvert; chiseled square	389.18
Bluff City, 2.3 mi NW. of, along graveled rd.; 0.5 mi NW. of steel bridge over creek; 9 ft S. and 27 ft W. of driveway S.; 15 ft SE. of mailbox of Ray Snider; 5 ft SE. of corner fencepost; standard tablet stamped "52 JDN 1950 416"	416.470
Bluff City, 3.3 mi NW. of, along graveled rd., 30 ft E. of junction of T-rd. SE., in SE. corner of N. headwall of L-shaped concrete culvert; standard tablet stamped "53 JDN 1950 430"	429.890
Reference mark; 30 ft S. of junction of T-rd.; on NW. corner of concrete culvert headwall; chiseled square	428.19
Zion, 2.5 mi SE. of, along State Highway 54; 36 ft S. of junction of T-rd. NE.; about 600 ft W. of wooden bridge; 24 ft W. of telephone pole; 10 ft SW. of edge of shallow ditch, in concrete post; standard tablet stamped "54 JDN 1950 388" (Reported disturbed, 1951)	388.732

LINE 6 (Cont'd.)

1950

Feet

Reference mark; 16 ft N. of tablet, 18 ft S. of junction of T-rd. NW.; on E. end of concrete pipe culvert; chiseled square	387.34
U.E., Zion, 1.7 mi SE. of; 23 ft NE. of junction of State Highway 54 and T-rd. N.; on E. end of concrete pipe culvert; chiseled square	420.83
Zion, opposite Cecils Store at T-rd. NW.; 25 ft N. and 26 ft E. of, and 4 ft higher than center of junction of T-rd. N. and State Highway 54; in SW. corner of yard; standard tablet stamped "8 JEM 1950 424"	423.604
<u>LINE 7.</u>	
J. E. McClane, 1950; Book AV 172 a	
"TT 386 RESET 1949" (Described in line 2)	385.984
Smythe, 0.4 mi SW. of, T. 6 S., R. 10 W., SE. corner of sec. 14, at intersection of rds.; 72 ft N. of center of State Road 62 and 63 ft E. of center of Green River Road; standard State and USC&GS disk stamped "NO 202 RESET 1949"	385.522
Evansville, 1.5 mi NE. of Chicago and Eastern Illinois Railroad station, along U. S. Highway 41, thence 3.8 mi E. along State Highway 62; 31 ft S. and 66 ft E. of, and 2 ft lower than crossroads; in top of S. concrete headwall; standard tablet stamped "2 JEM 1950 383"	382.917
Evansville, 2.5 mi E. of intersection of U. S. Highway 41 and Lincoln Avenue; 30 ft S. and 40 ft W. of, and level with intersection of Lincoln Avenue with Green Road; in concrete post; standard tablet stamped "3 JEM 1950 392" (Reported not found, 1964)	391.948
Evansville, 2.5 mi E. of intersection of U. S. Highway 41 and Lincoln Avenue, thence 2.0 mi S.; 26 ft S. and 15 ft W. of, and level with intersection of Green River Road and Follac Avenue; in top of W. concrete headwall; standard tablet stamped "4 JEM 1950 377"	376.989

NEWBURGH
Book AV 172 a

KY.-IND.

J. E. McClane

LINE 7 (Cont'd.)1950
Feet

Reference mark, 24 ft E. of tablet; on concrete
headwall; chiseled square

376.91

Newburgh, 4.0 mi SW. of; on Ohio River; in concrete
base; on iron pipe; USCE standard cap stamped
"USCE NO 12"

372.56

LINE 8.

J. E. McClane, 1950; Book AV 172 a

Major's Ferry; on left bank of Green River; on property
of Bethel heirs; 50 ft downstream from bank of
small slough; 60 ft upstream from road leading to
ferry; 9 ft landside of 24-in. maple tree; in
concrete base; on 4-in. iron pipe, USCE standard
cap stamped "BM 1" (Tied by USC&GS, 1962)

362.358

U.E., Major's Ferry, 1.5 mi S. of; 35 ft S. and
18 ft E. of, and level with center of rd.; at
T-rd. E.; in root on W. side of 8-in. locust
tree; copper nail and washer

489.03

/Jogs into Henderson quadrangle/

Zion, 4.0 mi N. of, along graveled rd.; 5.1 mi NE.
of Henderson; 120 ft S. of, and about 6 ft higher
than Y-rd. junction; 24 ft W. of center of rd.;
on bank; in concrete post; standard tablet stamped
"10 JEM 1950 475"

475.127

Reference mark; 200 ft N. of tablet; on W. end of
2-ft. concrete culvert; chiseled square

464.42

/Jogs into Henderson quadrangle/

"8 JEM 1950 424" (Described in line 6)

423.604

Zion, 0.8 mi S. of, 24 ft SE. and 34 ft SW. of, and
5 ft higher than rd. junction S.; in concrete
post; standard tablet stamped "7 JEM 1950 TT 450"

450.072

LINE 9.Feet

By W. S. Monk, 1958; Book AV 640

"14 JDN 1950 416" (Described in line 1)

415.602

LINE 10.

By W. S. Monk, 1958; Book AV 640

"39 JDN 1950 383" (Described in line 2)

382.742

LINE 11.

By W. S. Monk, 1958; Book AV 640

U.E., chiseled square (Described in line 2)

429.33

LINE 12.

By W. S. Monk, 1958; Book AV 640

"41 JDN 1950 406" (Described in line 2)

406.886

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-087-14
NEWBURGH QUADRANGLE
156 KY.-5 IND.
N3745-W8715/15
DIAGRAM NJ 16-8
EVANSVILLE

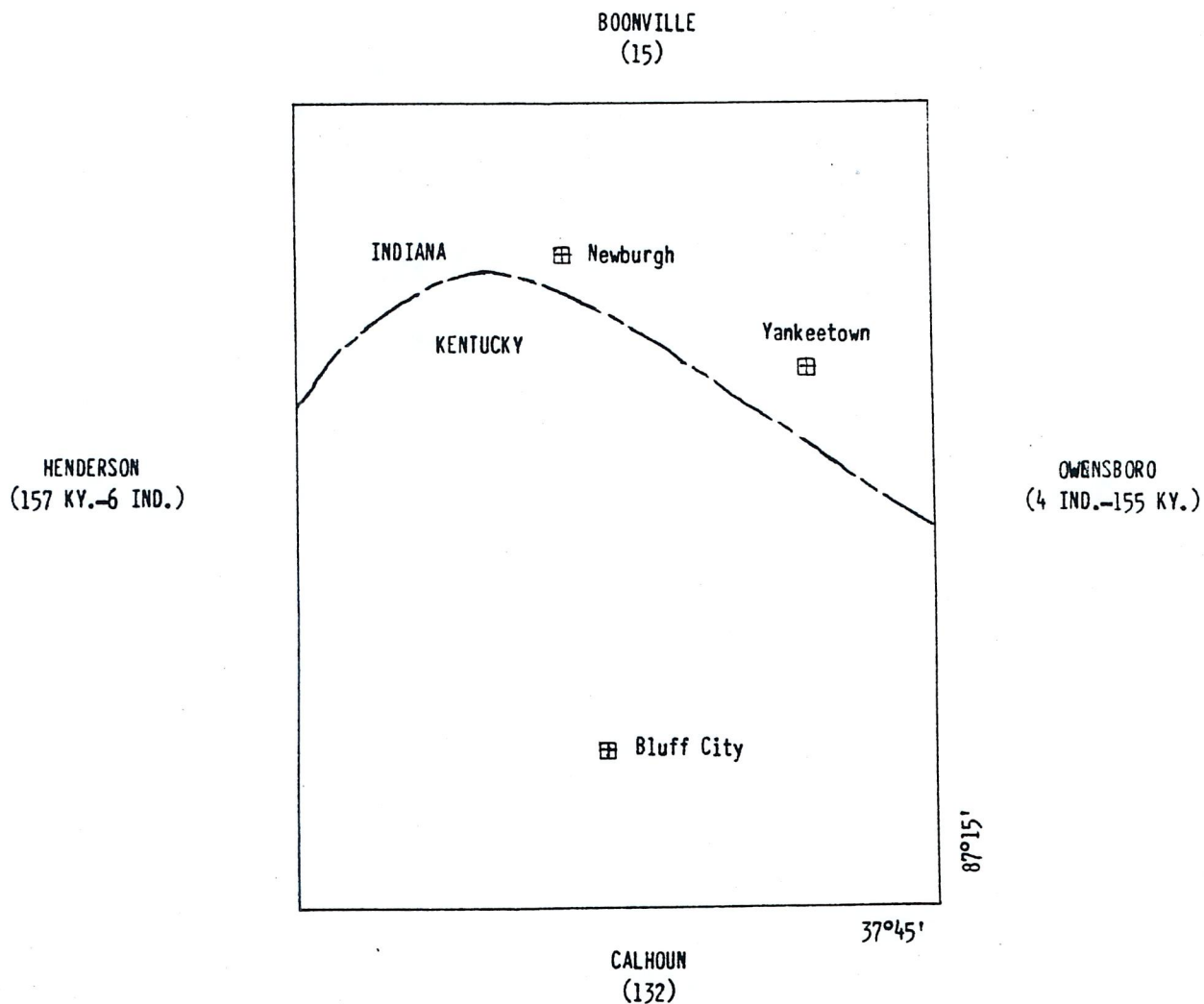
Daviess and Henderson Counties, Ky.; Spencer,
Vanderburgh, and Warrick Counties, Ind.

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch

Edition of 2/2/77

PR: CRV/rmm

Plane coordinates are based on Lambert projection
Kentucky, South Zone, and transverse Mercator
projection, Indiana, West Zone



NOTE OF EXPLANATION

Duplication of stamping in index is apparently due to fieldman repeating stampings in Indiana already made in Kentucky.

156 KY.-5 IND.
NEWBURGH QUADRANGLE

37-087-14
N3745-W8715/15

INDEX OF PERMANENT MARKS

<u>MARK (BSGS)</u>	<u>PAGE NO.</u>
386 RESET 1949 TT	3
TT 52 AS 1950	4
TT 54 AS 1950	4
TT 80 HF 1950	3
TT 82 HF 1950	3
13 JDN 1950 437	3
14 JDN 1950 416	3
23 JDN 1950 385	4
24 JDN 1950 396	4
7 JEM 1950 TT 450	3
10 JEM 1950 475	3

DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By H. P. Finch, 1950; Book AH 202

Zion, 0.8 mi S. of; 24 ft SE. and 34 ft SW. of, and 5 ft higher than rd. junction S.; in concrete post; standard tablet stamped "7 JEM 1950 TT 450"

Ky. S.)	X = 1,499,129	Y = 541,039	37 48 24.19	87 29 01.31
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Zion, 26 ft N. and 14 ft E. of intersection of State Highway 54 and Hardens Lane; about 120 ft NE. of Cecil's Grocery Store; 22 ft N. of State Highway 54; 3 ft N. of power pole; in SW. corner of lawn; in concrete post; standard tablet stamped "TT 80 HF 1950"

	X = 1,498,232	Y = 543,728	37 48 50.60	87 29 13.10
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Zion, 4.0 mi N. of, along graveled rd.; 5.1 mi NE. of Henderson; 120 ft S. of, and about 6 ft higher than Y-rd. junction; 24 ft W. of center of rd.; on bank; in concrete post; standard tablet stamped "10 JEM 1950 475"

	X = 1,495,889	Y = 558,814	37 51 19.30	87 29 45.77
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Henderson, 3.1 mi E. of, along U.S. Highway 60 from junction of U.S. Highways 60 and 41 to overpass at Louisville and Nashville Railroad, thence 3.1 mi NE. along graveled rd. to rd. junction; 15 ft N. and 19 ft W. of I-rd. S.; 13 ft N. of centerline of E.-W. rd.; at edge of woods; in concrete post; standard tablet stamped "TT 82 HF 1950"

	X = 1,495,803	Y = 574,421	37 53 53.55	87 29 50.44
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Evansville, 1.5 mi NE. of Chicago and Eastern Illinois Railroad station, along U. S. Highway 41, thence 2.8 mi E. along State Highway 62; at Smythe; 66 ft N. and 68 ft E. of intersection of State Highway 62 and new Green River Road; standard tablet stamped "386 RESET 1949 TT"

	X = 1,497,875	Y = 608,359	37 59 29.38	87 29 32.40
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By A. Salloom, 1950; Book AH 202

Pelzer, 25 ft N. and 32 ft W. of crossroads; 8 ft NW. of power pole; 95 ft SE. of SE. corner of school; in concrete post; standard tablet stamped "14 JDN 1950 416"

	X = 1,565,576	Y = 606,335	37 59 20.89	87 15 26.45
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Red Bush, 2.0 mi NE. of school, 0.8 mi N. of bridge over Hooppole Creek; 30 ft S. and 20 ft E. of crossroads; 11 ft W. of 6-in. cedar tree; 5 ft SE. of edge of bank; at edge of honeysuckle patch; in concrete post; standard tablet stamped "13 JDN 1950 437"

	X = 1,566,797	Y = 593,065	37 57 09.91	87 15 08.57
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STATION	DESCRIPTION	LATITUDE	LONGITUDE
	PLANE COORDINATES, FEET	° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Hatfield, 1.5 mi W. of, along State Highway 66 to crossroad, thence 1.8 mi S. to triple-branched rd. intersection; 73 ft S. and 6 ft E. of intersection of tangents of rds. N. and E.; 16 ft S. and 3 ft E. of intersection of tangents of rds. N. and SW.; in concrete post; standard tablet stamped "TT 52 AS 1950"

X = 1,566,836	Y = 565,500	37 52 37.44	87 15 02.61
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Stanley, 0.2 mi NE. of, along paved rd. to T-rd. NW., thence 1.5 mi SE. along rd. to field rd. NE.; 38 ft E. of intersection of centerlines of main rd. and field rd.; 90 ft SE. of W. corner of barn; 12 ft NE. of main rd.; in concrete post; standard tablet stamped "TT 54 AS 1950"

X = 1,564,741	Y = 553,364	37 50 37.14	87 15 26.33
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Stanley, 2.8 mi S. of, along macadam and graveled rds.; 20 ft N. and 23 ft W. of junction of T-driveway W.; 36 ft N. of NE. fence corner; at SE. corner of field; in concrete post; standard tablet stamped

"23 JDN 1950 385" DESTROYED 1982

X = 1,565,738	Y = 533,975	37 47 25.64	87 15 10.05
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Sorgho, 0.9 mi W. of, along State Highway 54; 17 ft S. and 22 ft E. of junction of T-rd. S.; 22 ft E. of junction of T-rd. N.; 11 ft E. of fencepost; 2 ft S. of edge of ditch; in concrete post; standard tablet stamped

"24 JDN 1950 396" (Reported destroyed, 1971)

X = 1,563,094	Y = 520,960	37 45 16.56	87 15 40.39
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